

## ABSTRACT

It is an object of the present invention to provide a pretreatment method for coating, which places a less burden on  
5 the environment and can apply good chemical conversion treatment to all metals such as iron, zinc and aluminum.

A pretreatment method for coating comprising  
treating a substance to be treated with a chemical  
conversion coating agent to form a chemical conversion coat,  
10 wherein the chemical conversion coating agent comprises  
at least one kind selected from the group consisting of zirconium,  
titanium and hafnium and fluorine,  
the chemical conversion coat has a fluorine concentration  
of 10% or less on the atom ratio basis, and  
15 at least a part of the substance to be treated is an iron  
material.